

Test Results:
Peacemaker® Soundproofing Underlayment - 6 mm

6" Concrete Slab												
Test Number	N1962.00A				N1962.04				N1962.09			
Testing Date	1/6/2022				1/7/2022				1/7/2022			
Floor Topping	BARE CONCRETE				Engineered Wood				Click-Lock LVT			
Underlayment					Peacemaker® Soundproofing Underlayment - 6 mm				Peacemaker® Soundproofing Underlayment - 6mm			
Base Assembly	6" Concrete Slab				6" Concrete Slab				6" Concrete Slab			
Ceiling	N/A				N/A				N/A			
Rating	STC		IIC		STC		IIC		STC		IIC	
Freq (Hz)	Specimen TL (dB)	Def.	Normalized SPL (dB)	Def.	Specimen TL (dB)	Def.	Normalized SPL (dB)	Def.	Specimen TL (dB)	Def.	Normalized SPL (dB)	Def.
50	34.9	-	61.3	-	35.2	-	57.9	-	34.5	-	59.8	-
63	34.3	-	57.1	-	34.7	-	53.8	-	34.2	-	54.0	-
80	33.6	-	58.3	-	33.6	-	57.0	-	33.1	-	56.2	-
100	39.1	-	55.5	0	37.8	-	53.9	0	39.3	-	54.0	0
125	41.6	0	59.6	0	41.4	0	57.7	1	41.0	0	56.6	2
160	39.7	1	63.7	0	39.0	0	60.7	4	39.1	0	59.3	4
200	39.4	5	66.9	0	38.5	3	64.6	8	39.0	1	63.2	8
250	44.4	3	66.0	0	41.8	2	62.8	6	42.8	0	59.9	5
315	46.8	3	68.6	0	40.6	6	64.4	7	43.2	3	60.4	5
400	47.4	6	68.1	0	42.0	8	61.2	5	40.6	8	58.3	4
500	50.2	4	68.5	0	49.3	2	55.2	0	45.2	5	53.3	0
630	51.6	3	71.3	0	54.0	0	53.0	0	50.6	0	50.3	0
800	55.8	0	71.0	0	58.3	0	47.0	0	57.9	0	42.0	0
1000	58.6	0	72.1	0	62.9	0	39.6	0	62.4	0	33.0	0
1250	60.2	0	71.8	0	63.6	0	33.5	0	63.6	0	30.6	0
1600	62.2	0	72.1	0	65.4	0	29.6	0	65.6	0	26.8	0
2000	64.5	0	72.2	3	67.3	0	26.6	0	67.8	0	22.5	0
2500	66.3	0	71.4	5	68.9	0	22.6	0	69.0	0	19.6	0
3150	68.5	0	70.7	8	70.9	0	18.2	0	71.8	0	15.8	0
4000	70.1	0	69.6	-	72.8	0	12.8	-	73.2	0	11.4	-
5000	72.2	-	67.9	-	75.9	-	9.6	-	76.2	-	9.0	-
6300	75.1	-	64.8	-	79.4	-	10.1	-	79.0	-	10.0	-
8000	76.9	-	58.0	-	81.4	-	11.7	-	81.3	-	11.5	-
10000	80.0	-	49.6	-	83.2	-	12.2	-	82.8	-	12.1	-
STC / IIC	54	25	29	16	51	21	55	31	50	17	57	28
HIIC	HIIC - 29				HIIC - 60				HIIC - 62			
Delta IIC	N/A				Delta IIC - 23				Delta IIC - 25			

Test Results:
Peacemaker® Soundproofing Underlayment - 6 mm

6" Concrete Slab with Ceiling												
Test Number	N1962.00B				N1962.15				N1962.20			
Testing Date	1/5/2022				1/5/2022				1/6/2022			
Floor Topping	BARE CONCRETE				Engineered Wood				Click-Lock LVT			
Underlayment					Peacemaker® Soundproofing Underlayment - 6 mm				Peacemaker® Soundproofing Underlayment - 6 mm			
Base Assembly	6" Concrete Slab				6" Concrete Slab				6" Concrete Slab			
Ceiling	YES - Wire Hung Ceiling with R-13, 1 Layer Type X Drywall				YES - Wire Hung Ceiling with R-13, 1 Layer Type X Drywall				YES - Wire Hung Ceiling with R-13, 1 Layer Type X Drywall			
Rating	STC		IIC		STC		IIC		STC		IIC	
Freq (Hz)	Specimen TL (dB)	Def.	Normalized SPL (dB)	Def.	Specimen TL (dB)	Def.	Normalized SPL (dB)	Def.	Specimen TL (dB)	Def.	Normalized SPL (dB)	Def.
50	36.5	-	60.5	-	37.1	-	57.7	-	38.8	-	59.1	-
63	36.0	-	55.1	-	37.2	-	53.3	-	38.0	-	53.5	-
80	33.0	-	51.6	-	34.7	-	47.7	-	33.6	-	48.3	-
100	38.9	-	52.1	0	40.1	-	51.1	3	39.8	-	51.4	5
125	40.8	4	49.4	0	41.3	4	48.6	1	42.0	2	49.1	3
160	40.3	8	52.1	0	42.3	6	51.6	4	41.6	5	51.9	6
200	49.6	1	54.0	0	47.8	3	51.6	4	47.8	2	51.7	6
250	52.4	2	55.0	0	51.5	3	52.5	5	51.2	2	49.3	3
315	54.4	3	57.6	0	49.5	7	53.5	5	49.9	6	49.0	3
400	57.0	3	57.2	0	52.6	7	51.0	4	51.1	8	47.0	2
500	60.8	0	54.7	0	61.0	0	43.6	0	58.9	1	41.3	0
630	62.8	0	57.0	0	64.7	0	39.3	0	64.0	0	36.4	0
800	65.6	0	57.2	0	67.0	0	30.8	0	67.1	0	25.9	0
1000	66.7	0	57.8	0	67.9	0	22.9	0	67.4	0	21.6	0
1250	67.1	0	57.2	0	66.7	0	18.7	0	68.0	0	16.8	0
1600	67.9	0	58.6	0	68.4	0	16.5	0	68.1	0	12.6	0
2000	69.0	0	58.2	2	69.5	0	14.9	0	70.3	0	11.1	0
2500	69.0	0	58.2	5	69.0	0	13.6	0	69.3	0	10.0	0
3150	71.7	0	58.1	8	71.7	0	10.3	0	72.0	0	7.9	0
4000	73.2	0	55.8	-	73.8	0	9.0	-	73.8	0	7.9	-
5000	75.9	-	50.7	-	77.3	-	9.1	-	76.6	-	8.8	-
6300	79.6	-	43.5	-	80.7	-	13.2	-	80.1	-	10.3	-
8000	81.5	-	36.3	-	82.4	-	12.8	-	81.8	-	12.1	-
10000	82.5	-	29.6	-	82.8	-	12.9	-	83.0	-	12.7	-
STC / IIC	61	21	42	15	61	30	64	26	60	26	66	28
IIIC	IIIC - 43				IIIC - 72				IIIC - 75			

Test Results:
Peacemaker® Soundproofing Underlayment - 6 mm

6" Concrete Slab with Ceiling												
Test Number	P0146.00				P0146.06				P0146.07			
Testing Date	7/25/2022				7/26/2022				7/26/2022			
Floor Topping	BARE GYPSUM CONCRETE				Engineered Wood				Click-Lock LVT			
Underlayment					Peacemaker® Soundproofing Underlayment - 6 mm				Peacemaker® Soundproofing Underlayment - 6 mm			
Base Assembly	3/4" Gypsum Concrete over OSB on 18" Open Web Truss				3/4" Gypsum Concrete over OSB on 18" Open Web Truss				3/4" Gypsum Concrete over OSB on 18" Open Web Truss			
Ceiling	R-13 Insulation, RC Deluxe (16" o.c.), 1 Layer Type C Drywall				R-13 Insulation, RC Deluxe (16" o.c.), 1 Layer Type C Drywall				R-13 Insulation, RC Deluxe (16" o.c.), 1 Layer Type C Drywall			
Rating	STC		IIC		STC		IIC		STC		IIC	
Freq (Hz)	Specimen TL (dB)	Def.	Normalized SPL (dB)	Def.	Specimen TL (dB)	Def.	Normalized SPL (dB)	Def.	Specimen TL (dB)	Def.	Normalized SPL (dB)	Def.
50	30.2	-	68.3	-	32.3	-	68.2	-	32.2	-	68.6	-
63	32.4	-	61.5	-	34.5	-	65.4	-	33.8	-	63.9	-
80	31.6	-	63.6	-	32.7	-	65.1	-	34.3	-	65.9	-
100	35.5	-	65.4	0	36.7	-	65.4	8	36.3	-	66.1	8
125	41.1	3	68.0	0	43.0	1	64.1	7	42.9	1	64.9	7
160	44.2	3	65.7	0	45.0	2	63.7	7	45.1	2	63.7	6
200	46.2	4	66.2	0	47.5	3	62.8	6	47.4	3	62.3	4
250	50.4	3	64.3	0	50.9	2	60.1	3	51.3	2	59.1	1
315	50.4	6	65.0	0	50.4	6	56.9	0	51.0	5	56.4	0
400	55.8	3	64.2	0	54.0	5	52.9	0	53.6	5	52.7	0
500	57.6	2	63.2	0	54.8	5	46.8	0	55.4	5	45.8	0
630	60.0	1	63.1	0	58.3	3	41.6	0	58.3	3	40.1	0
800	61.8	0	60.8	0	62.6	0	36.5	0	62.8	0	34.8	0
1000	63.5	0	58.2	0	66.6	0	30.3	0	66.1	0	29.0	0
1250	64.9	0	56.8	0	68.9	0	26.2	0	69.0	0	25.5	0
1600	65.3	0	56.2	0	68.3	0	21.8	0	67.9	0	21.6	0
2000	65.9	0	59.2	3	69.9	0	22.5	0	69.6	0	22.9	0
2500	65.2	0	60.5	8	69.6	0	22.9	0	69.1	0	22.7	0
3150	68.0	0	54.8	5	71.2	0	16.6	0	70.6	0	16.5	0
4000	72.3	0	46.4	-	75.3	0	10.0	-	74.7	0	9.6	-
5000	77.4	-	39.7	-	79.5	-	8.3	-	79.6	-	8.1	-
6300	77.1	-	33.1	-	78.5	-	8.7	-	78.2	-	8.7	-
8000	76.5	-	26.5	-	77.7	-	9.8	-	77.6	-	9.8	-
10000	75.8	-	16.9	-	76.8	-	10.1	-	76.3	-	10.1	-
STC / IIC	60	25	42	16	60	27	55	31	60	26	54	26
HIIC	HIIC - 43				HIIC - 69				HIIC - 70			